

Application No. 10/692,247
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CLAIMS:

1. (Withdrawn) A shaving system comprising a blade member and a skin engaging portion in proximity to the blade member, the skin engaging portion including a chelating agent capable of reducing the amount of an insoluble metal salt in an aqueous liquid containing the insoluble metal salt.
2. (Withdrawn) The shaving system of claim 1 wherein the skin engaging portion comprises at least one of a water-sensitive polymer and a water-insoluble polymer.
3. (Withdrawn) The shaving system of claim 1 wherein the skin engaging portion includes a solid polymeric shaving aid strip comprising a water-sensitive polymer and the chelating agent.
4. (Withdrawn) The shaving system of claim 1 wherein the chelating agent is a polymer having a functional group capable of forming a chelate with a metal ion of the insoluble metal salt.
5. (Withdrawn) The shaving system of claim 1 wherein the chelating agent is a non-polymer.
6. (Withdrawn) The shaving system of claim 1 wherein the skin engaging portion has a reservoir containing a liquid, said liquid comprising the chelating agent.
7. (Withdrawn) The shaving system of claim 1 wherein the chelating agent has a decomposition temperature of at least about 150° C.
8. (Withdrawn) The shaving system of claim 1 wherein the chelating agent has a decomposition temperature of at least about 200° C.
9. (Withdrawn) The shaving system of claim 1 wherein the chelating agent has a functional group selected from the group consisting of $(\text{--SO}_x\text{--}^y)(\text{Z}^{+w})$, $(\text{--PO}_x\text{--}^y)(\text{Z}^{+w})$, $(\text{R--COO}^y)(\text{Z}^{+x})$, where x is 2, 3, or 4, y is less than or equal to x, R is any alkyl, aryl or aryl alkyl group, Z is any cation(s) and w is 1, 2, 3 or 4.

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10. (Withdrawn) The shaving system of claim 1 wherein the chelating agent is selected from the group consisting of EDTA, calcium disodium EDTA, dipotassium EDTA, disodium EDTA, methyl cyclodextrin, pentenic acid, potassium citrate, sodium citrate, sodium gluconate, sodium metasilicate, tetrasodium EDTA, trisodium EDTA, poly(sodium 4-styrenesulfonate) and mixtures thereof.
11. (Withdrawn) The shaving system of claim 10 wherein the chelating agent is poly(sodium 4-styrenesulfonate).
12. (Withdrawn) A shaving system component comprising a polymeric element having an outer surface and an internal portion, the polymeric element comprising; (i) at least one of a water-sensitive polymer and (ii) a water-insoluble polymer, and a chelating agent capable of reducing the amount of an insoluble metal salt from an aqueous liquid containing the insoluble metal salt.
13. (Withdrawn) The shaving system component of claim 12 wherein at least one of the water-sensitive polymer or the water-insoluble polymer has a functional group capable of forming a chelate with a metal ion of the insoluble metal salt.
14. (Withdrawn) The shaving system component of claim 12 wherein the chelating agent is a polymer, different from the water-sensitive polymer and the water-insoluble polymer, having a functional group capable of forming a chelate with a metal ion of the insoluble metal salt.
15. (Withdrawn) The shaving system component of claim 12 wherein the chelating agent is provided as a coating on the outer surface of the shaving system component.
16. (Withdrawn) The shaving system component of claim 12 wherein the chelating agent is provided in the internal portion of the shaving system component.
17. (Withdrawn) The shaving system component of claim 16 wherein the chelating agent has a decomposition temperature of at least 150° C.

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18. (Currently amended) A shaving aid strip, comprising:
- a water-sensitive soluble polymer comprising polyethylene oxide; and
- a chelating agent,
- wherein the chelating agent comprises from about 0.1 to 10 weight percent of the total weight of the shaving aid strip.
19. (Canceled)
20. (Original) The shaving aid strip of claim 18, which further comprises a water-insoluble polymer.
21. (Original) The shaving aid strip of claim 18 wherein the water-insoluble polymer is selected from the group consisting of polyethylene, polypropylene, polystyrene, butadiene-styrene copolymer, polyacetal, acrylonitrile-butadiene-styrene copolymer, ethylene vinyl acetate copolymer, polyurethanes and mixtures thereof.
22. (Original) The shaving aid strip of claim 20 wherein at least one of the water-sensitive polymer or the water-insoluble polymer has a functional group capable of forming a chelate with a metal ion of the insoluble metal salt.
23. (Original) The shaving aid strip of claim 20 wherein the chelating agent is a polymer, different from the water-sensitive polymer and the water-insoluble polymer, having a functional group capable of forming a chelate with a metal ion of the insoluble metal salt.
24. (Original) The shaving aid strip of claim 18 wherein chelating agent has a decomposition temperature of at least about 150° C.
25. (Canceled)
26. (Original) The shaving aid strip of claim 18 which comprises from about 0.5 to 6 weight percent of the chelating agent based on the total weight of the shaving aid strip.